

Studies on the Yponomeutoidea (IV) A new *Argyresthia* (Argyresthiidae) from Formosa

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The Formosan species described in this paper is allied to *Argyresthia andereggiella* (DUPONCHEL), occurring in Europe, Siberia and Japan, but is apparently distinct from it in the following points: noticeably larger, measuring 14 mm across the forewing as compared with 9-11 mm, the lack of two fasciae on the forewing, and darker in the colour of markings; on the male genitalia, the valva ovate instead of elongate-ovate in shape, and the aedeagus shorter and twice the length of the valva, whereas about three times in *andereggiella*, etc.

Argyresthia taiwanensis n. sp.

♂. 14 mm. Head and thorax shining white; orbit golden-yellowish; tegula golden-yellow. Antenna pale white-ochreous, ringed with dark purplish-brown; scape shining white with golden-yellow pecten. Labial palpus whitish-yellow, the tip being yellowish-white. Abdomen shining grey dorsally, and shining whitish-grey ventrally. Forewing (fig. A): R_4 and R_5 separate; shining white; costal $1/3$ golden-yellow; about a dozen of indistinct pale yellow dots on anterior $3/4$ of costa; a quadrate, outwardly-oblique golden-brown spot on dorsum before middle of wing, touching costal streak; terminal area nearly wholly suffused with golden-brown; white ground-colour indicating two or three dots on termen near tornus; cilia light ochreous-grey, around apex brownish, with a dark subbasal shade around apex and along termen, and white on anterior part of dorsum. Hindwing grey, darker posteriorly; cilia concolorous.

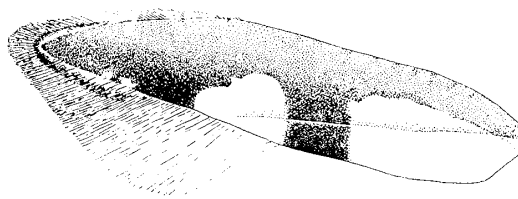


Fig. A. *Argyresthia taiwanensis* n. sp.

Male genitalia (figs. 1-7): Tuba analis weakly sclerotized. Socius with two or three short hairs on rounded top; ventral surface with about 20 specialized scales (fig. 4). Gnathos without spines. Valva ovate, clothed with fine hairs ventrally and distally, the disc with a longitudinal strong-haired thickening, consisting of about 15 in number. Vinculum with triangular lobes (saccus). Aedeagus twice as long as one valva, nearly straight; instead of true cornuti, a number of very minute staffs arranged in two rows, one thicker than the other, as shown in fig. 6. Two-pronged plate of eighth abdominal segment with very long prongs, the basal prong being present.

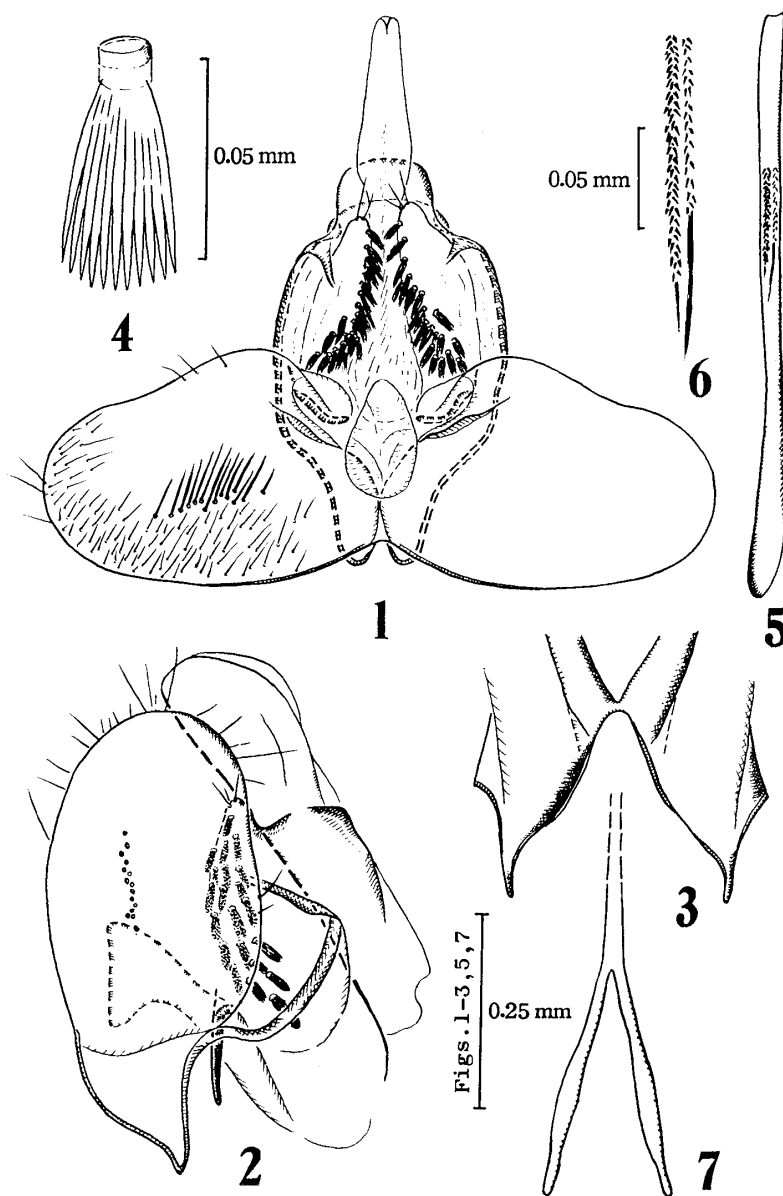
♀ unknown.

Holotype ♂ and paratype ♂: Tattaka, Formosa, 7 VI 1943 (S. ISSIKI), in coll. Professor ISSIKI.

In conclusion, I wish to express my hearty thanks to Prof. SYUSIRO ITO for his kind guidance, and to Prof. Emer. SYŪTI ISSIKI for allowing me to study the specimens in his personal collection.

摘 要

台湾産巢蛾類の1新種 *Argyresthia taiwanensis* MORIUTI を記載した。本種は旧北区に分布する *Argyresthia andereggiella* (DUPONCHEL) に近似するが、斑紋、交尾器より容易に識別できる。



Figs. 1-7. *Argyresthia taiwanensis* n. sp., male genitalia.
 (1) Ventral aspect. (2) Lateral aspect. (3) Saccus, ventral aspect.
 (4) Specialized scale on socius. (5) Aedeagus. (6) Cornuti. (7)
 Plate of 8th abdominal segment.